The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
William A. Hinton State Laboratory Institute
305 South Street, Jamaica Plain, MA 02130

DEVAL L. PATRICK
GOVERNOR

TIMOTHY P. MURRAY
LIEUTENANT GOVERNOR

JUDYANN BIGBY, MD
SECRETARY

JOHN AUERBACH
COMMISSIONER

02/27/12

Michael Patten
Assistant District Attorney, Essex County

Dear Mr. Patten,

Enclosed is the information you requested. Included are copies of the following:

1. Drug Analysis Laboratory Receipt.

2. Control Cards with analytical results for sample #'▮ ▮▮▮
   ▮▮▮▮

3. Analysis sheets with chemist's hand notations and test results.

4. GC/MS analytical data for sample #'s ▮▮▮▮
   ▮▮▮

GC/MS testing was performed by Della Saunders. All other analyses were performed by Kate Corbett. If you have any questions about these materials, please call me at the number below.

Sincerely,

Kate Corbett

Kate Corbett
Chemist II
Drug Analysis Lab
Jamaica Plain, MA. 02130
(617) 983-6632

The Commonwealth of Massachusetts
Executive Office of Health and Human Services
Department of Public Health
State Laboratory Institute

Boston Drug Laboratory
Tel (617) 983-6622
Fax (617) 983-6625

Amherst Drug Laboratory
Tel (413) 545-2601
Fax (413) 545-2608

Boston Hours
8:00 – 11:00
2:00 – 4:00

DRUG RECEIPT

Amherst Hours
9:00 – 12:00
1:00 – 3:00

City or Department: Haverhill Police Department   Police Reference No.: _____

Name and Rank of Submitting Officer: _____ Detective   Sgt Dana Burrill _____

Defendant(s) Name (last, first, initial):

Z ███████████████

To be completed by Submitter Description of Items Submitted	To be completed by Lab Personnel Gross Weight	Lab Number
Bag A contains 41 blue pills	5.60g	███
Bag B contains 34 white pills	5.76g	███
Bag C contains 8 blue pills	2.22g	███
Bag D contains 1 ziplock containing 4 pink pills	2.99g	███

Received by: _____ *Ello* _____   Date: __ 8-19-71 __

No. ███████████ Date Analyzed: **OCT 1 0 2011**

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ███████████

Amount: 41.0   Subst: TAB

No. Cont: 1   Cont: pb

Date Rec'd: 08/19/2011   No. Analyzed:

Gross Wt.: 5.60   Net Weight: 4.14 g

                                     # Tests: 3 KA C

                                            +4 pb

Prelim: Oxycodone Findings: Oxycodone

No. ███████████ Date Analyzed **OCT 1 0 2011**

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ███████████

Amount: 34.0   Subst: TAB

No. Cont: 1   Cont: pb

Date Rec'd: 08/19/2011   No. Analyzed:

Gross Wt.: 5.76   Net Weight: 4.28 g

                                     # Tests: 2 KA C

                                            +2 pb

Prelim: Oxycodone Findings: Oxycodone

No. ██████████ Date Analyzed: OCT 1 0 2011

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ██████████

Amount: 8.0 Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/19/2011 No. Analyzed:

Gross Wt.: 2.27 Net Weight: 0.80g

Tests: 2UAC +2/Def

Prelim: Oxycodone Findings: Oxycodone

No. ██████████ Date Analyzed: OCT 1 3 2011

City: Haverhill Police Dept.

Officer: Sergeant DANA BURRILL

Def: ██████████

Amount: 4.0 Subst: TAB

No. Cont: 1 Cont: pb

Date Rec'd: 08/19/2011 No. Analyzed:

Gross Wt.: 2.91 Net Weight:

Tests: CUCAC +2/Def

Prelim: Benzylpiperazine Findings: Benzylpiperazine

DRUG POWDER ANALYSIS FORM

SAMPLE ████████████ AGENCY Haverhill ANALYST KMC

No. of samples tested: 2   Evidence Wt. OK
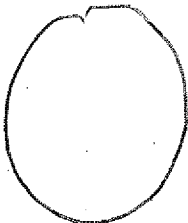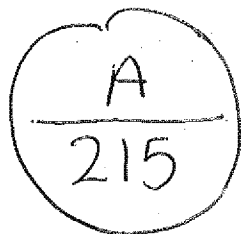

PHYSICAL DESCRIPTION: Gross Wt ( ): _____
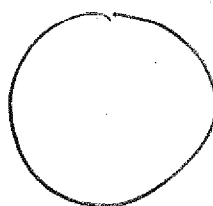
41 round blue tablets   Gross Wt ( ): _____

                                    Pkg. Wt: _____
                                    Direct 4.1423g
                                    Net Wt:

(A / 215)   ( ) | (K / 9)   ( )

(17 tablets) | (24 tablets)

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____ +

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

Micromedex ⊕ for
Oxycodone

PRELIMINARY TEST RESULTS

RESULTS Oxycodone

DATE 9/26/11

GC/MS CONFIRMATORY TEST

RESULTS Oxycodone

MS
OPERATOR DCS

DATE 10/10/11

Drug Information

DRUG NAME: OXYCODONE HYDROCHLORIDE

INGREDIENTS: OXYCODONE HYDROCHLORIDE -- 30 MG

Color: Blue

Shape: Circle

Imprint: A; 215

Form: Oral Tablet

Available-Container-Size: Bottle of 100 , 10X10

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

NDC: 52152-0215-02
52152-0215-11

Excipients: Starch, Corn ; FD&C Blue No. 2 Aluminum Lake ; Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Silicon Dioxide ; Sodium Starch Glycolate ; Stearic Acid

Regulatory Status: Schedule II

Availability: United States

Product ID 6527175

Contact: Actavis Totowa

Drug Information

DRUG NAME: OXYCODONE HYDROCHLORIDE

INGREDIENTS: OXYCODONE HYDROCHLORIDE -- 30 MG

Color: Blue

Shape: Circle

Imprint: K 9 The tablet is debossed with K on left and 9 on right of the bisect on one side and plain on the other side. , K9 The tablet is debossed with K on left and 9 on right of the bisect on one side and plain on the other side.

Form: Oral Tablet

Available-Container-Size: Bottle of 100

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

NDC: 10702-009-01

UPC: 10702-00901

Excipients: Sodium Starch Glycolate ; Stearic Acid ; FD&C Blue No. 2 Aluminum Lake ; Starch, Corn ; Lactose (Monohydrate) ; Cellulose, Microcrystalline ; Silicon Dioxide

Regulatory Status: Schedule II

Availability: United States

Product ID 6998053

Contact: KVK-Tech

Corbett_email_PRR_006415

DRUG POWDER ANALYSIS FORM

SAMPLE ██████████ AGENCY _Haverhill_ ANALYST _KAC_
_OR_

No. of samples tested: _1_ Evidence Wt. _____

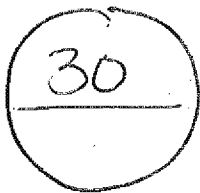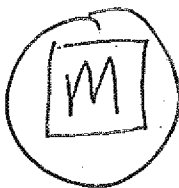PHYSICAL DESCRIPTION:

34 round blue tablets

(M) (30)

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Direct Net Wt: _4.28689_

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

Micromedex @
for Oxycodone

PRELIMINARY TEST RESULTS

RESULTS _Oxycodone_
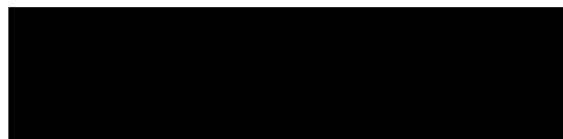
DATE _9/26/11_

GC/MS CONFIRMATORY TEST

RESULTS _Oxycodone_

MS
OPERATOR _DCS_

DATE _10/10/11_

Drug Information

███████████████████████████

DRUG NAME: OXYCODONE HYDROCHLORIDE

INGREDIENTS: OXYCODONE HYDROCHLORIDE -- 30 MG

Color: Light Blue

Shape: Circle

Imprint: м The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , м30 The M enclosed in a box is imprinted on one side and 30 above the score is imprinted on the reverse side. , 30 , м 30

Form: Oral Tablet

Available-Container-Size: Bottle of 100

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

NDC: 0406-8530-01

Excipients: Cellulose, Microcrystalline ; Sodium Starch Glycolate ; Starch, Corn ; Lactose ; Stearic Acid ; FD&C Blue No. 2

Regulatory Status: Schedule II

Availability: United States

Product ID 6594281

Contact: Covidien Mallinckrodt

DRUG POWDER ANALYSIS FORM

SAMPLE # ████████ AGENCY _Haverhill_ ANALYST _KAC_

No. of samples tested: ___1___   Evidence Wt. _OK_

PHYSICAL DESCRIPTION:

8 round blue tablets
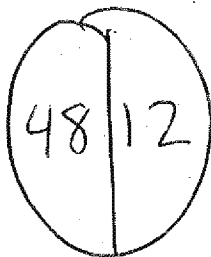
(48|12)   (V)

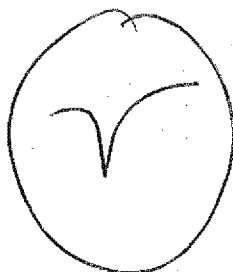Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____

Direct Net Wt: _0.8067g_

PRELIMINARY TESTS
Spot Tests

Cobalt
Thiocyanate ( ) _____

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold
Chloride _____

TLTA ( ) _____

OTHER TESTS

Micromedex (+) for
Oxycodone

PRELIMINARY TEST RESULTS

RESULTS _Oxycodone_

DATE _9/20/11_

GC/MS CONFIRMATORY TEST

RESULTS _Oxycodone_

MS
OPERATOR _DCS_

DATE _10/10/11_

Drug Information

DRUG NAME: OXYCODONE HYDROCHLORIDE

INGREDIENTS: OXYCODONE HYDROCHLORIDE -- 30 MG

Color: Light Blue

Shape: Circle

Imprint: 4812 The tablet is debossed with 4812 on one side and V on the reverse side. , v

Form: Oral Tablet

Available-Container-Size: Bottle of 500 , Bottle of 100 , Bottle of 10 , Bottle of 1000

AAPCC Code: 037705 - Oxycodone Alone or in Combination (Excluding Combination Products with Acetaminophen or Acetylsalicylic Acid)

NDC: 00603-4992-28
00603-4992-21

UPC: 06034-99228

Excipients: FD&C Blue No. 1 Aluminum Lake ; Lactose (Monohydrate) ; Magnesium Stearate ; Cellulose, Microcrystalline ; Povidone ; Sodium Starch Glycolate ; Stearic Acid

Regulatory Status: Schedule II

Availability: United States

Product ID 7093498

Contact: Qualitest Pharmaceuticals

DRUG POWDER ANALYSIS FORM

SAMPLE ████████ AGENCY Haverhill ANALYST KMC

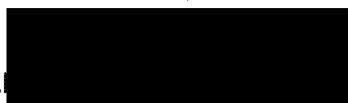No. of samples tested: 1 Evidence Wt. OK

PHYSICAL DESCRIPTION:

4 round pink tablets w/
monkey face logo

Gross Wt ( ): _____

Gross Wt ( ): _____

Pkg. Wt: _____
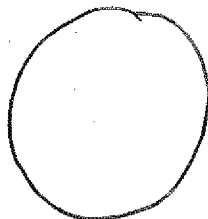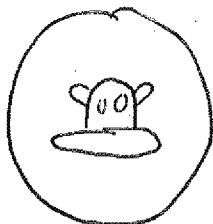
Direct 1.1421g
Net Wt: 1.1421g

PRELIMINARY TESTS
Spot Tests

Cobalt Thiocyanate ( ) ⊖/⊕ w/ acid

Marquis _____

Froehde's _____

Mecke's _____

Microcrystalline Tests

Gold Chloride _____

TLTA ( ) _____

OTHER TESTS

GC ⊕ for Benzylpiperazine
Compared to benzylpiperazine
Std

PRELIMINARY TEST RESULTS

RESULTS Benzylpiperazine

DATE 9/27/11

GC/MS CONFIRMATORY TEST

RESULTS Benzylpiperazine

MS OPERATOR DCS

DATE 10/13/11

```
============================================================================
  Acq. Operator    : ASD                      Seq. Line :    2
  Acq. Instrument  : Drug Lab GC#3             Location : Vial 2
  Injection Date   : 9/27/2011 8:38:42 AM          Inj :    1
                                               Inj Volume : 1 µl

  Sequence File    : C:\Chem32\1\SEQUENCE\DEF_GC.S
  Method           : C:\CHEM32\1\METHODS\ROUTINE.M
  Last changed     : 8/3/2010 11:50:36 AM
============================================================================
```
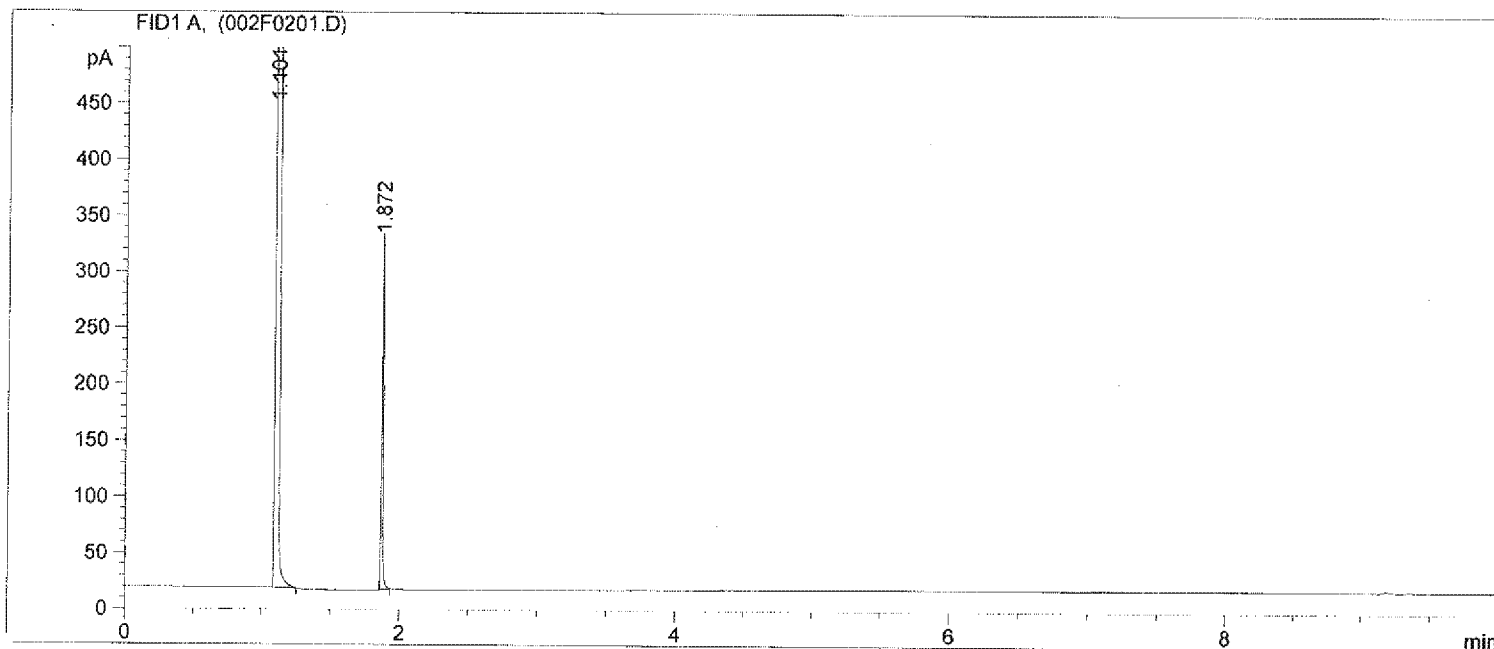


```
============================================================================
                         Area Percent Report
============================================================================

Sorted By              :         Retention Time
Multiplier:                      :        1.0000
Dilution:                        :        1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type    Area        Height      Area
  #   [min]            [pA*s]        [pA]         %
----|-------|---|-----|----------|----------|---------|
  1   1.101  1  BB S 7.04250e4   7.26596e4   99.65899
  2   1.872  1  BB     240.97653  311.48529   0.34101

Totals :              7.06660e4   7.29711e4
```

```
============================================================================
                        *** End of Report ***
```

Data File C:\CHEM32\1\DATA\004F0401.D
Sample Name: 3,4 MDA STD

==

Acq. Operator   : ASD   Seq. Line :   4
Acq. Instrument : Drug Lab GC#3   Location : Vial 4
Injection Date : 9/27/2011 9:04:26 AM   Inj :   1
                                          Inj Volume : 1 µl
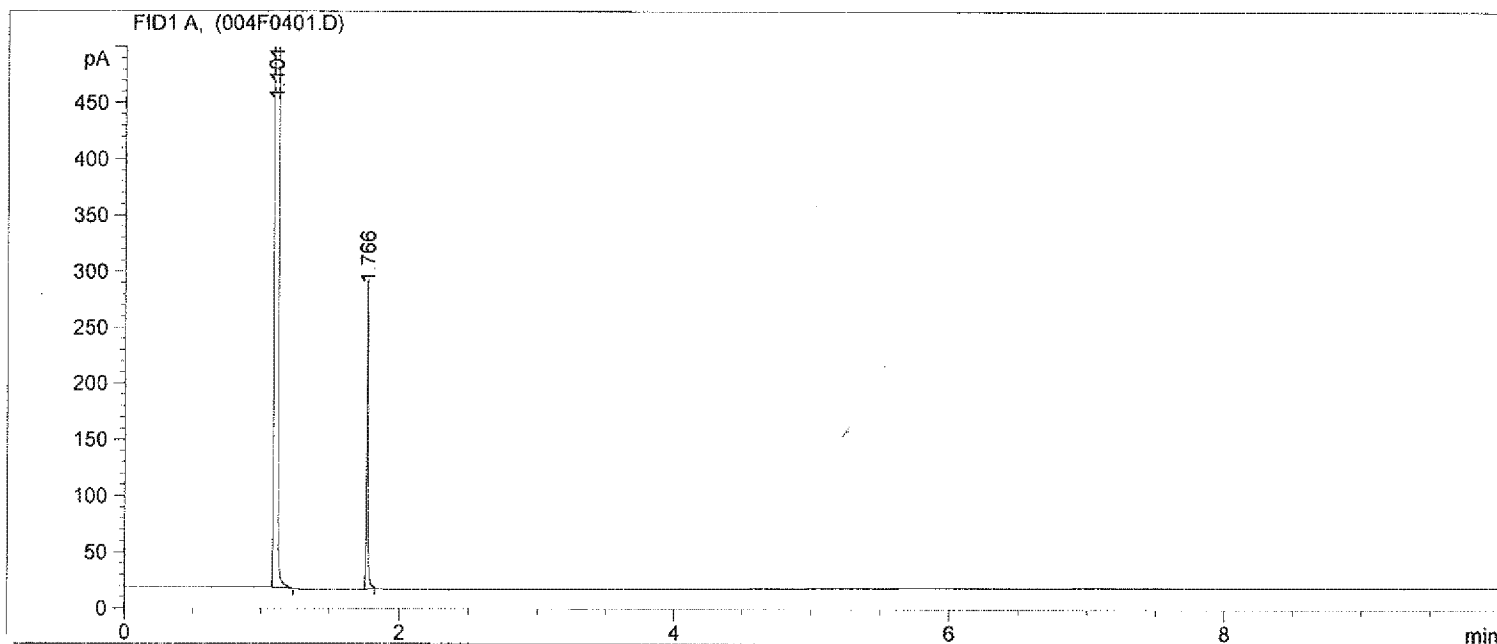
Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
Method   : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed   : 8/3/2010 11:50:36 AM

==

==
                   Area Percent Report
==

Sorted By   :   Retention Time
Multiplier: :   1.0000
Dilution: :   1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak #	RetTime [min]	Sig	Type	Area [pA*s]	Height [pA]	Area %
1	1.101	1	BB S	6.99677e4	7.53108e4	99.69657
2	1.766	1	BB	212.94637	267.22903	0.30343

Totals :   7.01806e4   7.55781e4

==

                   *** End of Report ***

Drug Lab GC#3 9/27/2011 9:14:26 AM ASD   Page   1 of 1

Data File C:\CHEM32\1\DATA\006F0601.D
Sample Name: BENZYLPIPERAZINE STD
===

Acq. Operator   : ASD   Seq. Line :   6
Acq. Instrument : Drug Lab GC#3   Location : Vial 6
Injection Date : 9/27/2011 9:30:17 AM   Inj :   1
                                            Inj Volume : 1 µl

Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
Method   : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed   : 8/3/2010 11:50:36 AM
===

===
                        Area Percent Report
===

Sorted By   :   Retention Time
Multiplier: :   1.0000
Dilution: :   1.0000
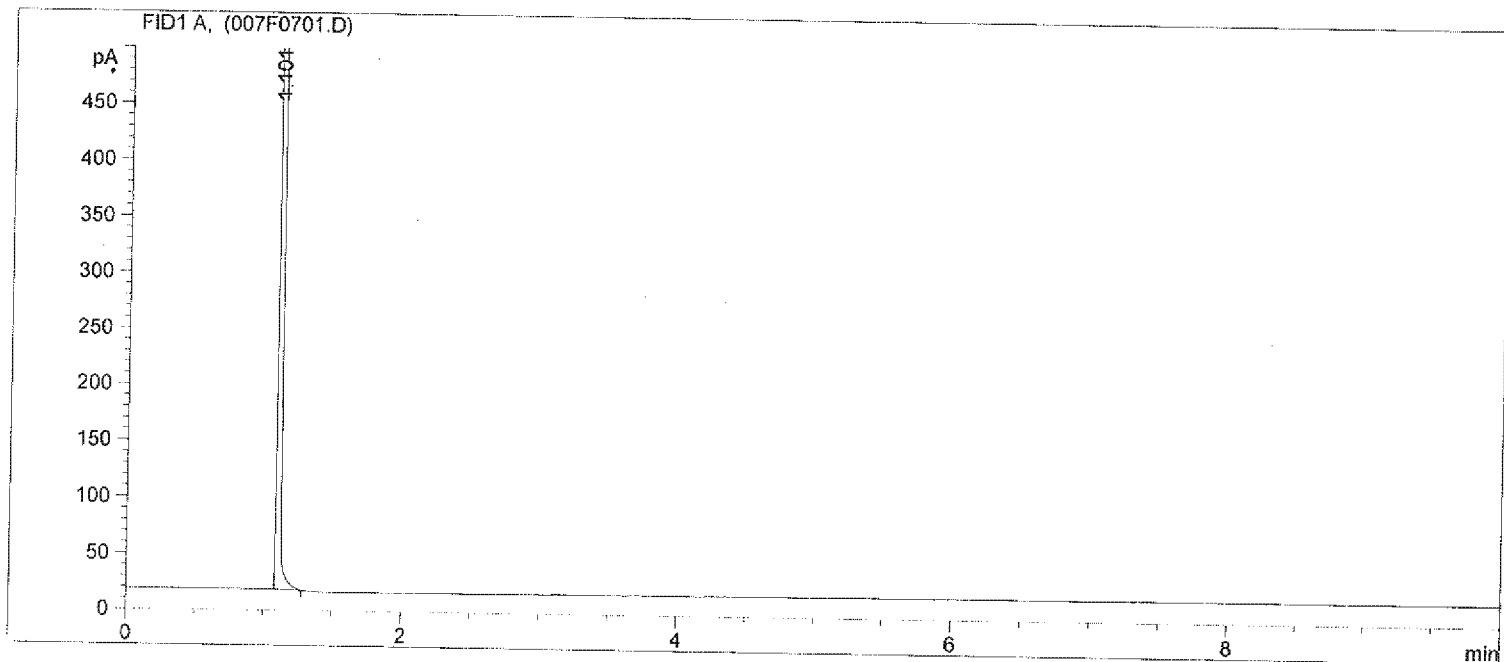Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type   Area   Height   Area
  #   [min]   [pA*s]   [pA]   %
----|-------|---|----|----------|----------|--------|
  1   1.100   1 BB S 6.93664e4 7.48688e4 99.63867
  2   1.801   1 BB   251.54742 293.93326   0.36133

Totals :   6.96179e4   7.51627e4

===
                        *** End of Report ***

Data File C:\CHEM32\1\DATA\007F0701.D
Sample Name: BLANK

```
============================================================================
```

Acq. Operator   : ASD   Seq. Line :   7
Acq. Instrument : Drug Lab GC#3   Location : Vial 7
Injection Date : 9/27/2011 9:43:08 AM   Inj :   1
                                            Inj Volume : 1 µl

Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
Method   : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed   : 8/3/2010 11:50:36 AM

```
============================================================================
```



```
============================================================================
```
                        Area Percent Report
```
============================================================================
```

Sorted By   :   Retention Time
Multiplier: :   1.0000
Dilution: :   1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type   Area   Height   Area
  #   [min]   [pA*s]   [pA]   %
----|-------|---|----|----------|-----------|--------|
  1   1.101 1 BB S 6.93435e4   7.46996e4 1.000e2

Totals :   6.93435e4   7.46996e4


```
============================================================================
```
                      *** End of Report ***

```
========================================================================
Acq. Operator   : ASD                      Seq. Line :    8
Acq. Instrument : Drug Lab GC#3             Location : Vial 8
Injection Date  : 9/27/2011 9:55:54 AM          Inj :    1
                                          Inj Volume : 1 µl

Sequence File   : C:\Chem32\1\SEQUENCE\DEF_GC.S
Method          : C:\CHEM32\1\METHODS\ROUTINE.M
Last changed    : 8/3/2010 11:50:36 AM
========================================================================
```
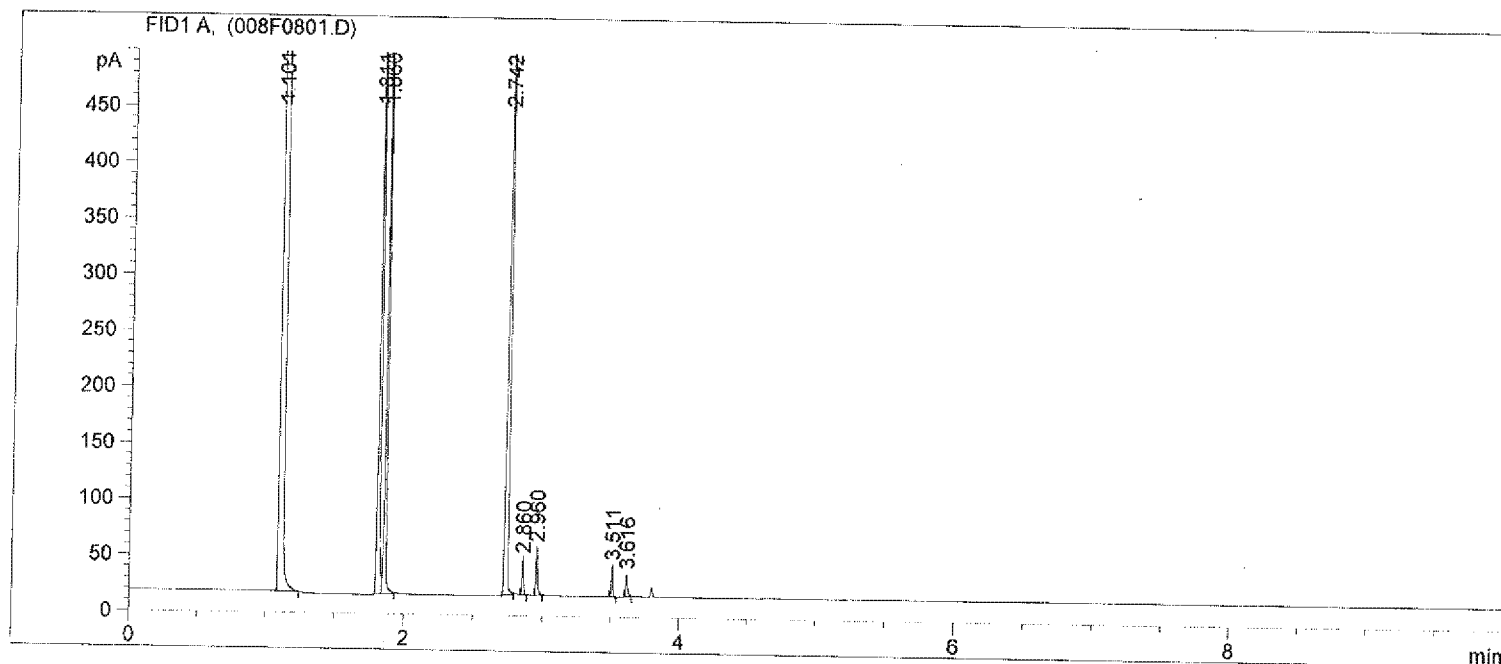


```
========================================================================
                        Area Percent Report
========================================================================

Sorted By            :       Retention Time
Multiplier:                  :        1.0000
Dilution:                    :        1.0000
Do not use Multiplier & Dilution Factor with ISTDs

Signal 1: FID1 A,

Peak RetTime Sig Type     Area       Height      Area
  #   [min]            [pA*s]        [pA]          %
----|-------|---|----|----------|----------|--------|
  1   1.101  1  BB S 7.02661e4  7.65287e4  97.55259
  2   1.811  1  BV     589.46173  703.25043  0.81837
  3   1.860  1  VB     468.80124  619.49677  0.65085
  4   2.742  1  BB     603.33594  521.30249  0.83763
  5   2.860  1  BB      24.75462   31.90988  0.03437
  6   2.960  1  BB      36.16194   42.33094  0.05020
  7   3.511  1  BB      21.82611   27.19561  0.03030
  8   3.616  1  BB      18.50540   19.27575  0.02569

Totals :              7.20290e4  7.84935e4


========================================================================
                       *** End of Report ***
```
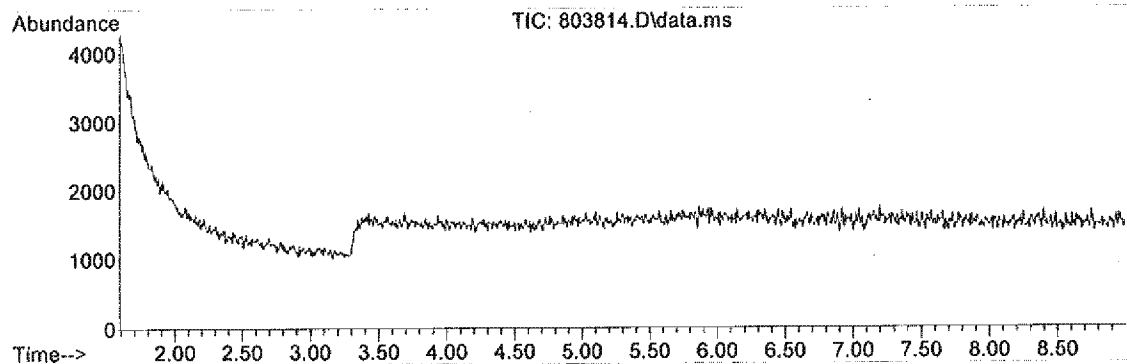
Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803814.D
Operator   : DCS
Date Acquired : 12 Oct 2011 14:24
Sample Name   : BLANK
Submitted by   :
Vial Number   : 1
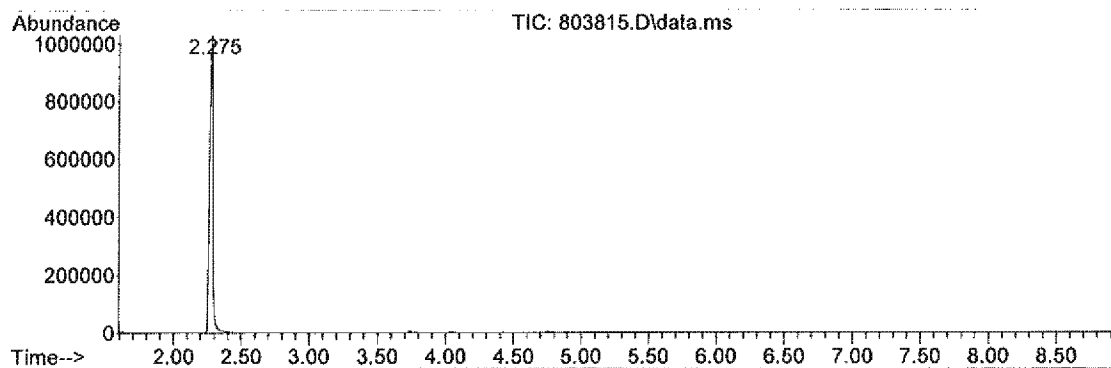AcquisitionMeth: MDMA.M
Integrator   : RTE

Abundance   TIC: 803814.D\data.ms

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

803814.D   Tue Feb 21 13:11:22 2012   Page 1

Area Percent / Library Search Report

Information from Data File:
```
File Name      : F:\Q4-2011\System8\10_12_11\803815.D
Operator       : DCS
Date Acquired  : 12 Oct 2011  14:36
Sample Name    : BZP STANDARD
Submitted by   :
Vial Number    :  15
AcquisitionMeth: MDMA.M
Integrator     : RTE
```
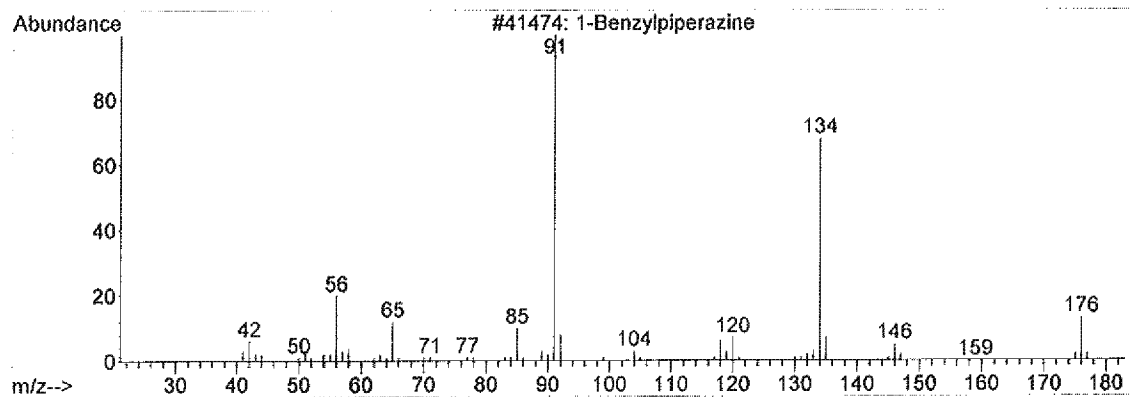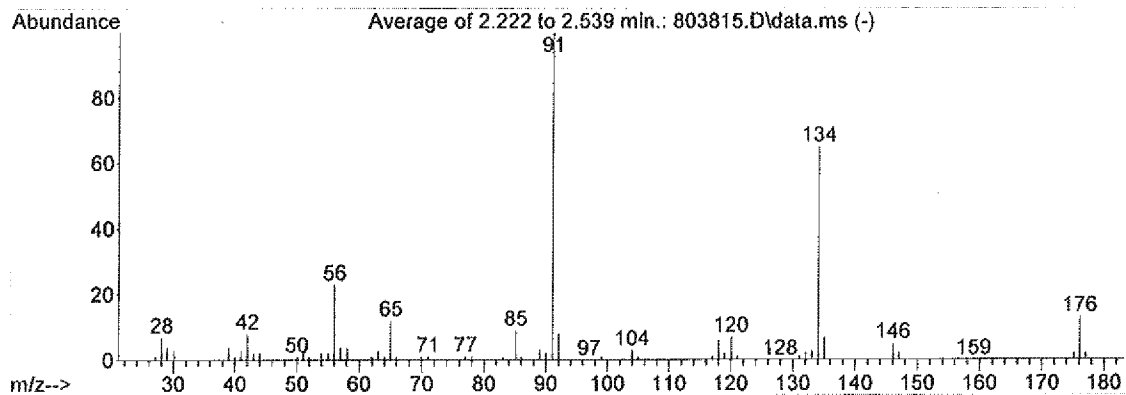

Ret. Time	Area	Area %	Ratio %
2.275	1763098	100.00	100.00

Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803815.D
Operator   : DCS
Date Acquired : 12 Oct 2011 14:36
Sample Name   : BZP STANDARD
Submitted by   :
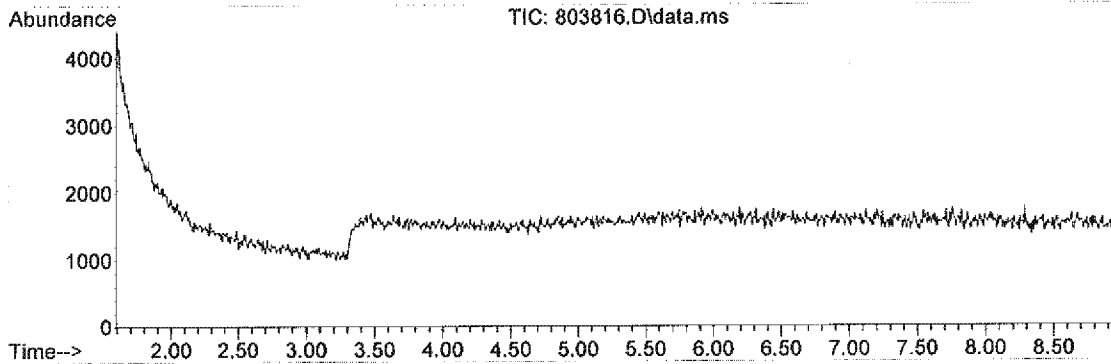Vial Number   : 15
AcquisitionMeth: MDMA.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST08.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.28	C:\Database\NIST08.L		
		1-Benzylpiperazine	002759-28-6	96
		1-Benzylpiperazine	002759-28-6	96
		1-Benzylpiperazine	002759-28-6	96

Average of 2.222 to 2.539 min.: 803815.D\data.ms (-)

#41474: 1-Benzylpiperazine

Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803816.D
Operator   : DCS
Date Acquired   : 12 Oct 2011 14:48
Sample Name   : BLANK
Submitted by   :
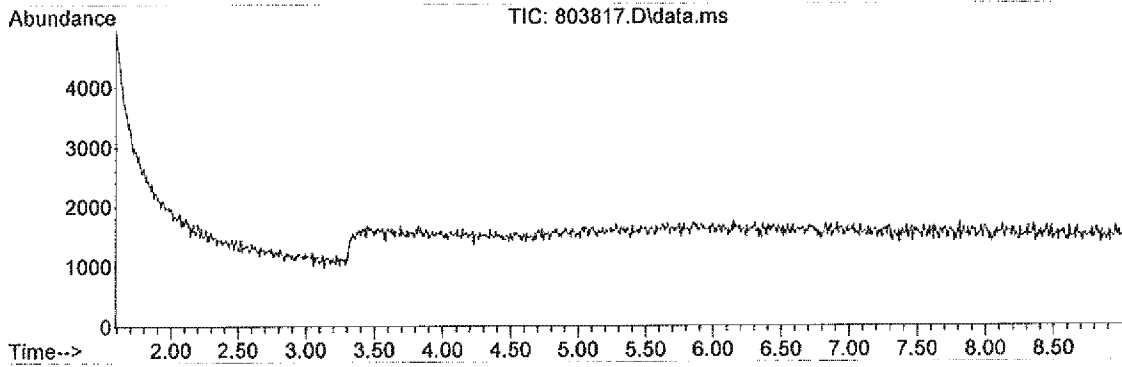Vial Number   :   1
AcquisitionMeth: MDMA.M
Integrator   : RTE

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803817.D
Operator   : DCS
Date Acquired : 12 Oct 2011 15:00
Sample Name : BLANK
Submitted by : KAC
Vial Number : 1
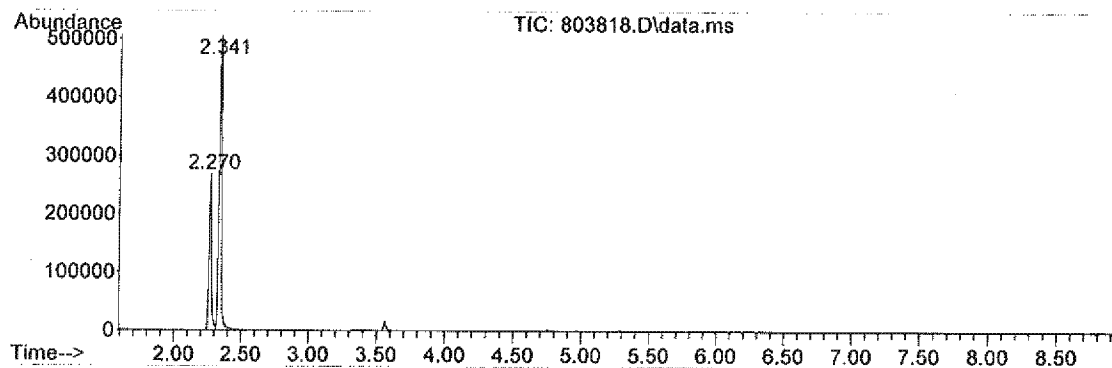AcquisitionMeth: MDMA.M
Integrator   : RTE

Abundance   TIC: 803817.D\data.ms

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

803817.D   Tue Feb 21 13:11:48 2012   Page 1

Information from Data File:
```
File Name       : F:\Q4-2011\System8\10_12_11\803818.D
Operator        : DCS
Date Acquired   : 12 Oct 2011   15:12
Sample Name     : ███████████
Submitted by    : KAC
Vial Number     : 18
AcquisitionMeth: MDMA.M
Integrator      : RTE
```
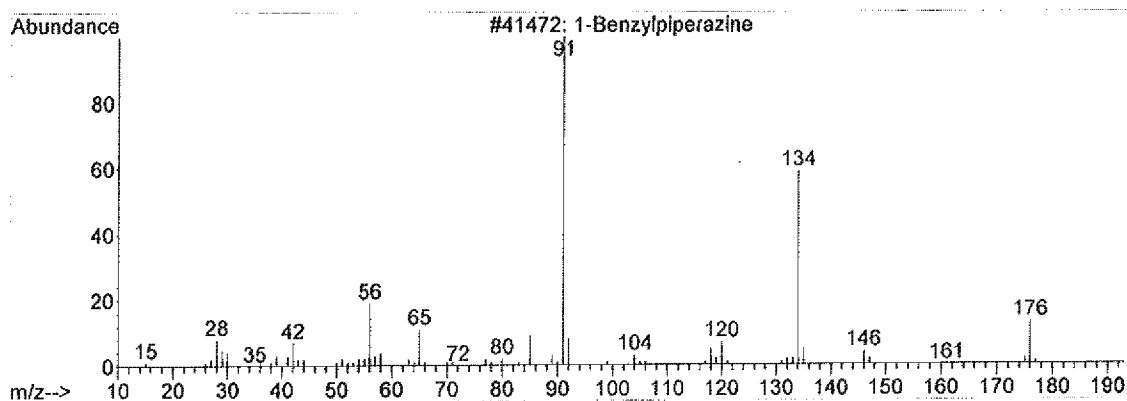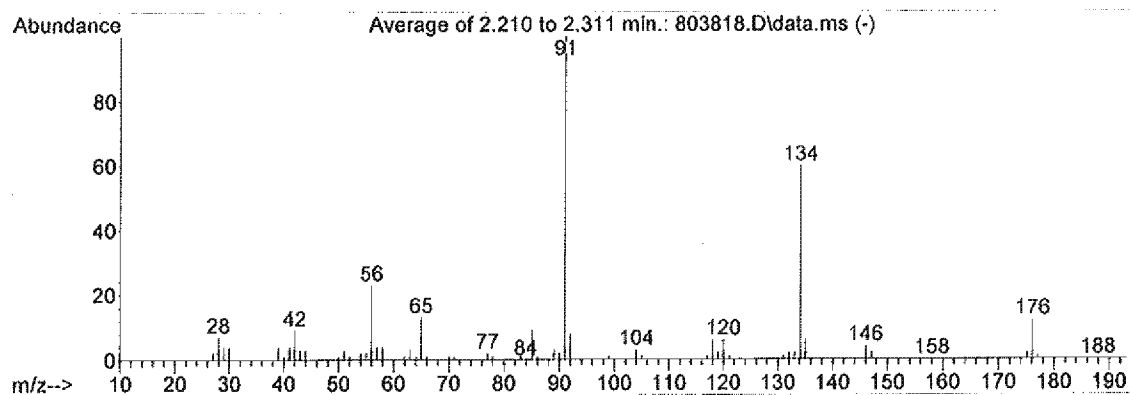

Ret. Time	Area	Area %	Ratio %
2.270	327005	33.04	49.34
2.341	662692	66.96	100.00

Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803818.D
Operator   : DCS
Date Acquired : 12 Oct 2011 15:12
Sample Name   : ████████████
Submitted by   : KAC
Vial Number   : 18
AcquisitionMeth: MDMA.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST08.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.27	C:\Database\NIST08.L		
		1-Benzylpiperazine	002759-28-6	96
		1-Benzylpiperazine	002759-28-6	96
		1-Benzylpiperazine	002759-28-6	96

Abundance   Average of 2.210 to 2.311 min.: 803818.D\data.ms (-)

Abundance   #41472: 1-Benzylpiperazine

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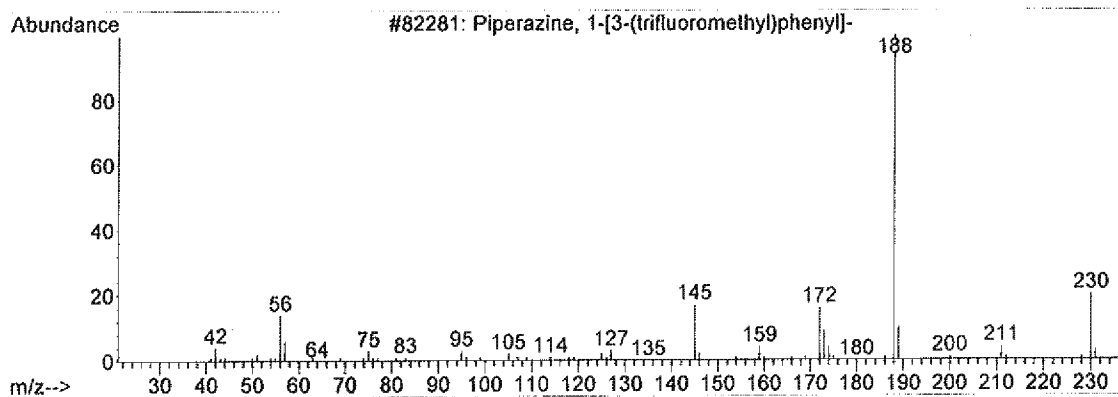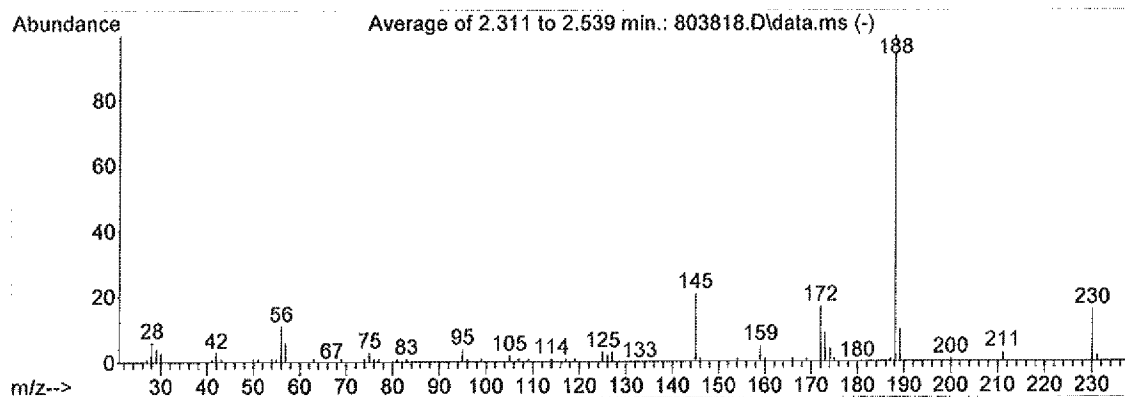
Information from Data File:
```
File Name       :  F:\Q4-2011\System8\10_12_11\803818.D
Operator        :  DCS
Date Acquired   :  12 Oct 2011  15:12
Sample Name     :  ██████████
Submitted by    :  KAC
Vial Number     :  18
AcquisitionMeth :  MDMA.M
Integrator      :  RTE
```

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                      C:\Database\NIST08.L   Minimum Quality: 80
                      C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
2	2.34	C:\Database\NIST08.L		
		Piperazine, 1-[3-(trifluoromethyl)p	015532-75-9	98
		Piperazine, 1-[3-(trifluoromethyl)p	015532-75-9	90
		5-(2,4-Dimethyl-phenyl)-2H-pyrazol-	1000274-91-6	64

Average of 2.311 to 2.539 min.: 803818.D\data.ms (-)

#82281: Piperazine, 1-[3-(trifluoromethyl)phenyl]-

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Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803819.D
Operator   : DCS
Date Acquired : 12 Oct 2011 15:24
Sample Name   : BLANK
Submitted by   :
Vial Number   : 1
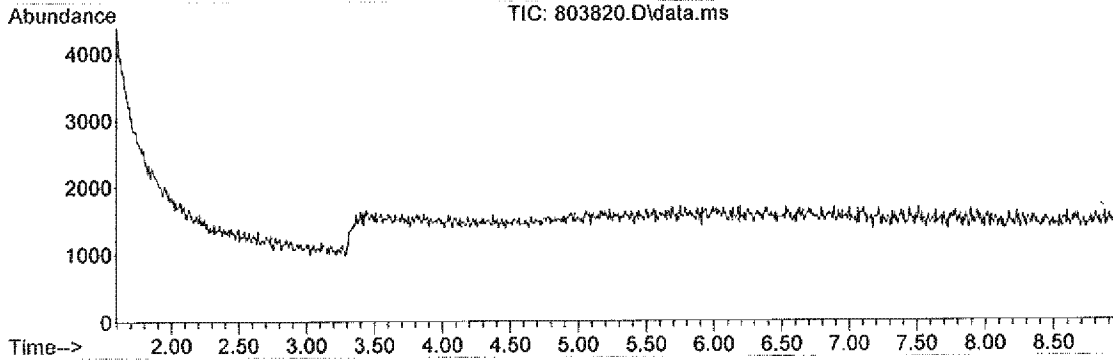AcquisitionMeth: MDMA.M
Integrator   : RTE
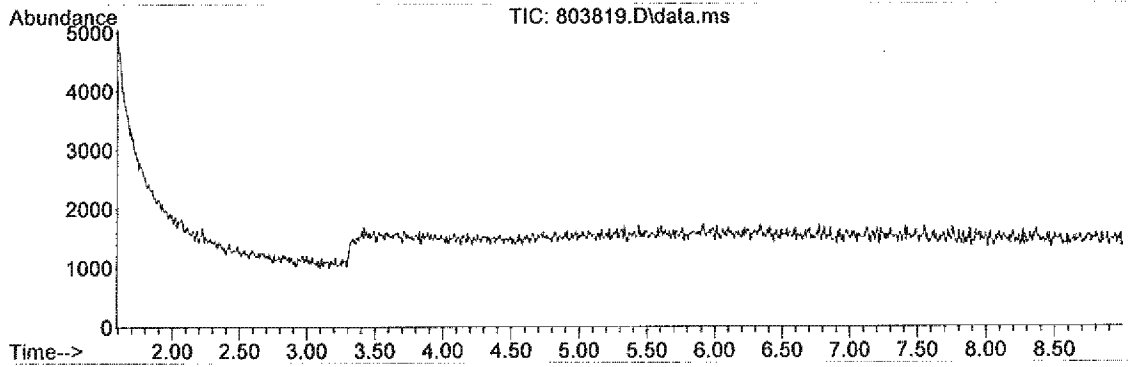
TIC: 803819.D\data.ms

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803820.D
Operator   : DCS
Date Acquired   : 12 Oct 2011 15:35
Sample Name   : BLANK
Submitted by   :
Vial Number   : 1
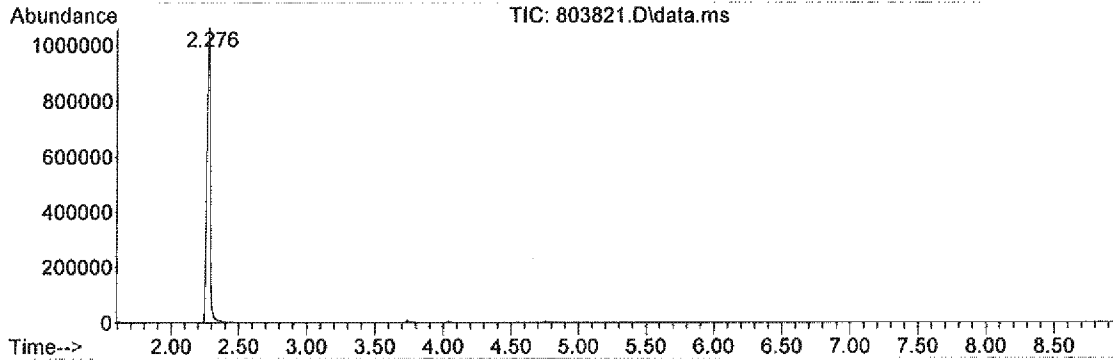AcquisitionMeth: MDMA.M
Integrator   : RTE

Abundance   TIC: 803820.D\data.ms

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803821.D
Operator   : DCS
Date Acquired : 12 Oct 2011 15:47
Sample Name   : BZP STANDARD
Submitted by   :
Vial Number   : 15
AcquisitionMeth: MDMA.M
Integrator   : RTE

Abundance   TIC: 803821.D\data.ms
1000000   2.276
 800000
 600000
 400000
 200000
       0
Time-->   2.00 2.50 3.00 3.50 4.00 4.50 5.00 5.50 6.00 6.50 7.00 7.50 8.00 8.50

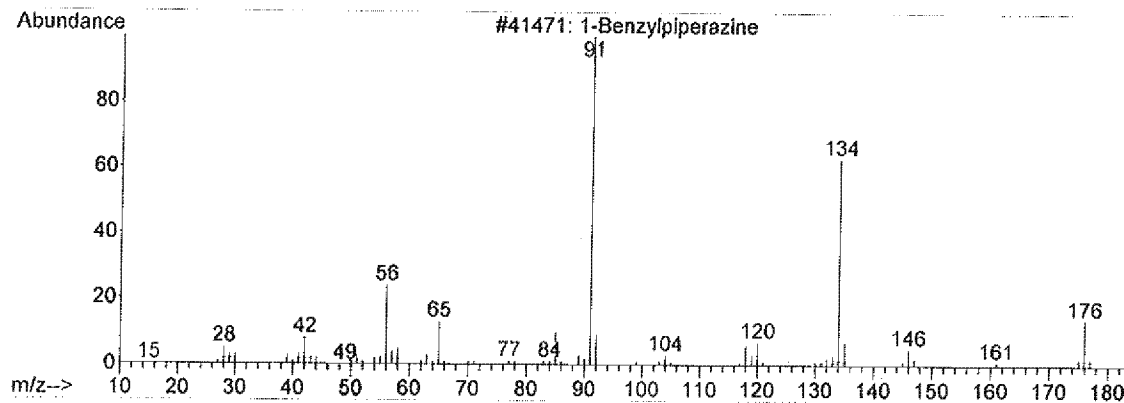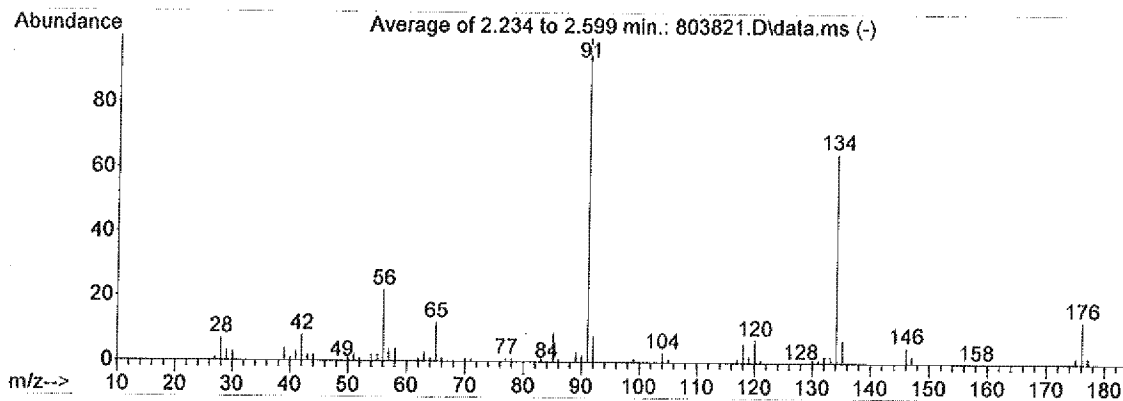| Ret. Time	Area	Area %	Ratio %
2.276	1769255	100.00	100.00

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System8\10_12_11\803821.D
Operator   : DCS
Date Acquired : 12 Oct 2011 15:47
Sample Name   : BZP STANDARD
Submitted by   :
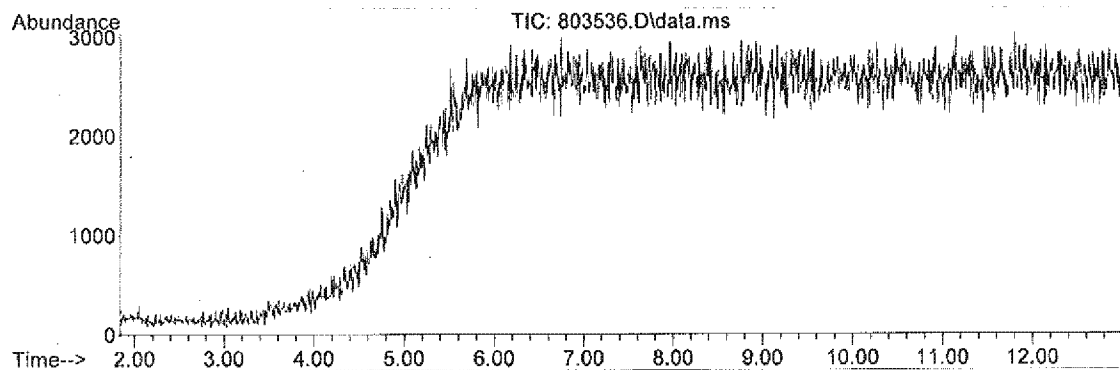Vial Number   : 15
AcquisitionMeth: MDMA.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST08.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	2.28	C:\Database\NIST08.L		
		1-Benzylpiperazine	002759-28-6	96
		1-Benzylpiperazine	002759-28-6	96
		1-Benzylpiperazine	002759-28-6	96

Average of 2.234 to 2.599 min.: 803821.D\data.ms (-)

#41471: 1-Benzylpiperazine

Area Percent / Library Search Report

Information from Data File:
```
File Name       : F:\Q4-2011\System7\10_07_11\803536.D
Operator        : DCS
Date Acquired   : 7 Oct 2011  22:10
Sample Name     : BLANK
Submitted by    :
Vial Number     : 1
AcquisitionMeth : DRUGS.M
Integrator      : RTE
```
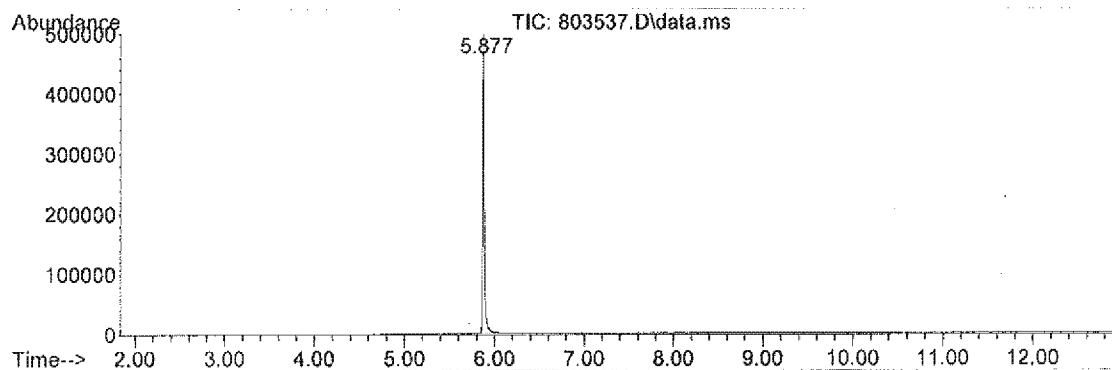

Abundance — TIC: 803536.D\data.ms (chromatogram plot, Abundance vs Time, 2.00 to 12.00)

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

803536.D   Tue Feb 21 13:17:19 2012   Page 1

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803537.D
Operator   : DCS
Date Acquired : 7 Oct 2011 22:26
Sample Name   : OXYCODONE STANDARD
Submitted by   :
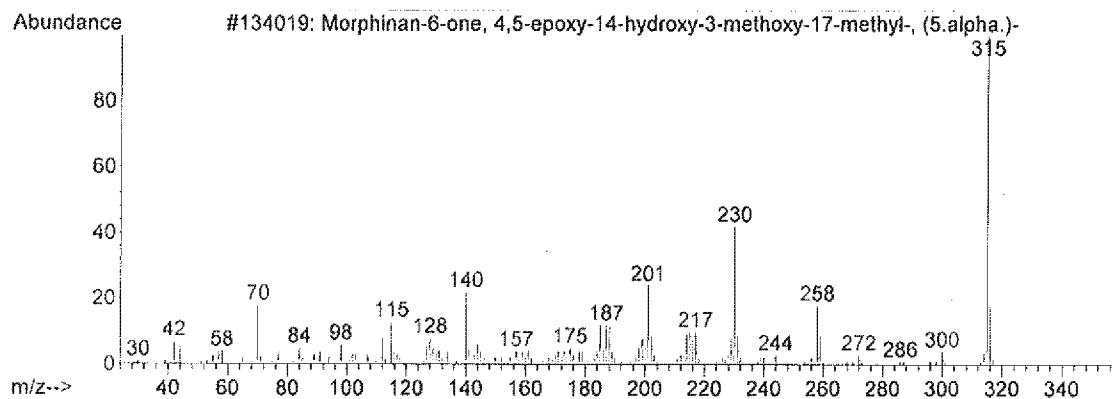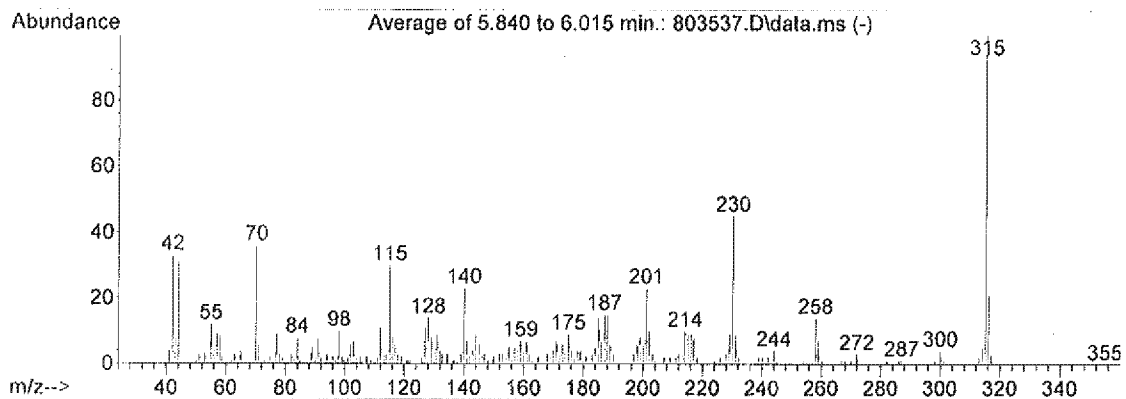Vial Number   :   5
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 803537.D\data.ms
500000   5.877
400000
300000
200000
100000
     0
Time--> 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00

Ret. Time	Area	Area %	Ratio %
5.877	614720	100.00	100.00

803537.D   Tue Feb 21 13:17:23 2012   Page 1

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803537.D
Operator   : DCS
Date Acquired : 7 Oct 2011 22:26
Sample Name   : OXYCODONE STANDARD
Submitted by :
Vial Number   : 5
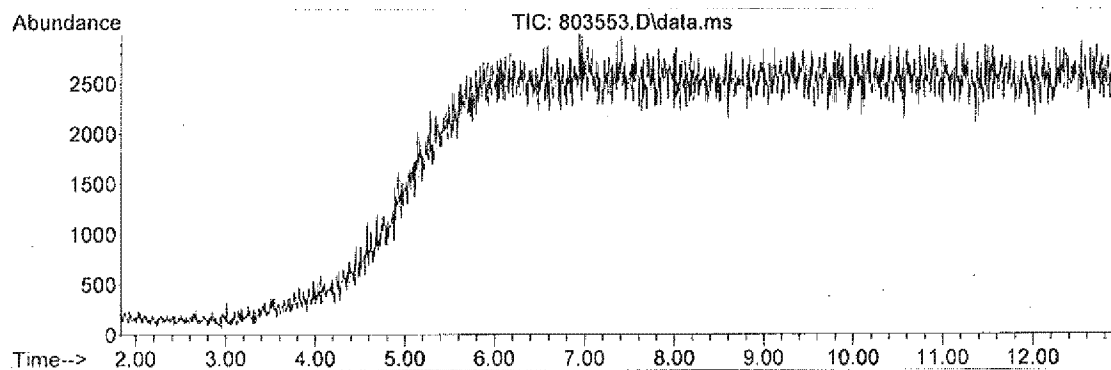AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.88	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99

Abundance   Average of 5.840 to 6.015 min.: 803537.D\data.ms (-)

Abundance   #134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

803537.D   Tue Feb 21 13:17:24 2012   Page   2

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803553.D
Operator   : DCS
Date Acquired : 8 Oct 2011   2:36
Sample Name   : BLANK
Submitted by   : NEM
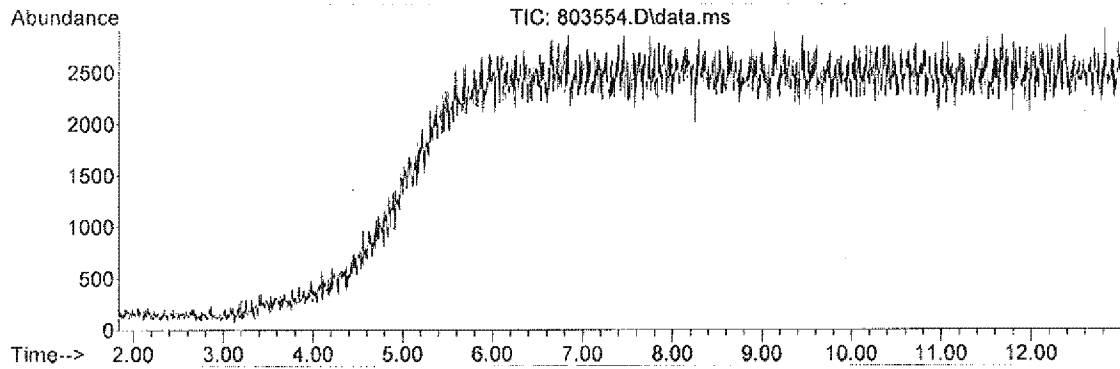Vial Number   :   2
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 803553.D\data.ms

  2500

  2000

  1500

  1000

   500

     0
Time--> 2.00   3.00   4.00   5.00   6.00   7.00   8.00   9.00   10.00   11.00   12.00

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803554.D
Operator   : DCS
Date Acquired : 8 Oct 2011   2:52
Sample Name   : BLANK
Submitted by   : KAC
Vial Number   : 2
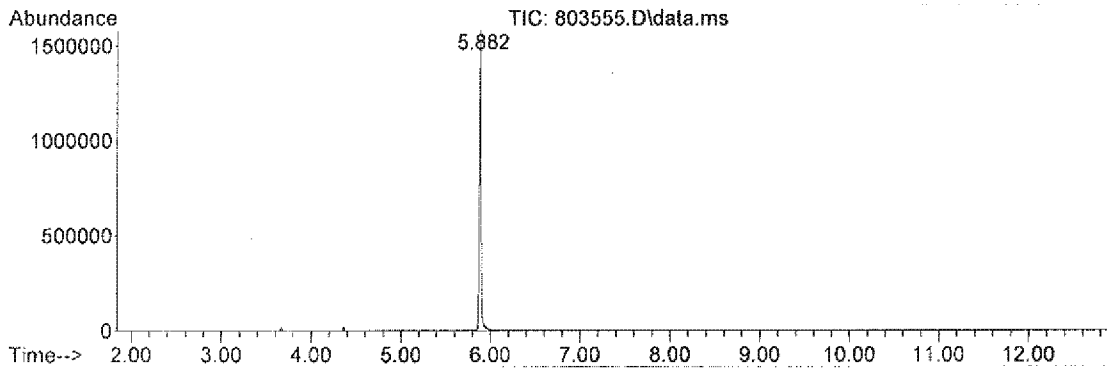AcquisitionMeth: DRUGS.M
Integrator   : RTE

TIC: 803554.D\data.ms

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803555.D
Operator   : DCS
Date Acquired : 8 Oct 2011   3:07
Sample Name   : ██████████
Submitted by   : KAC
Vial Number   : 55
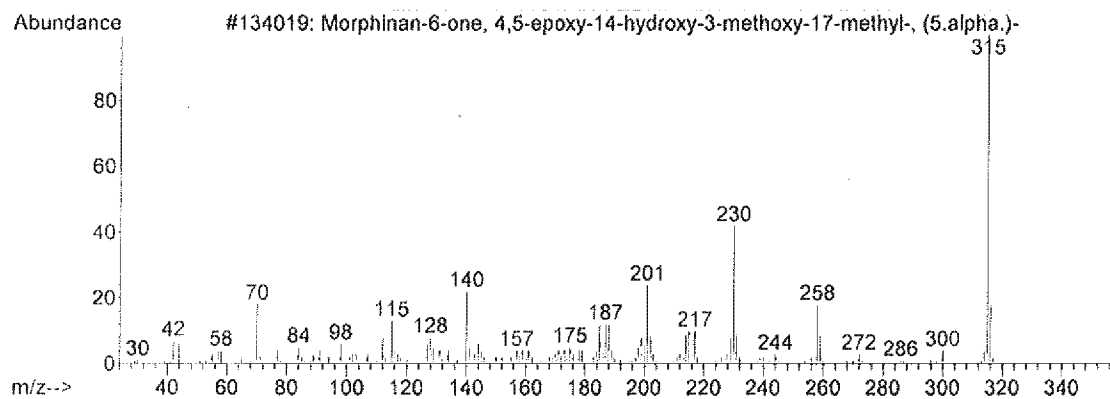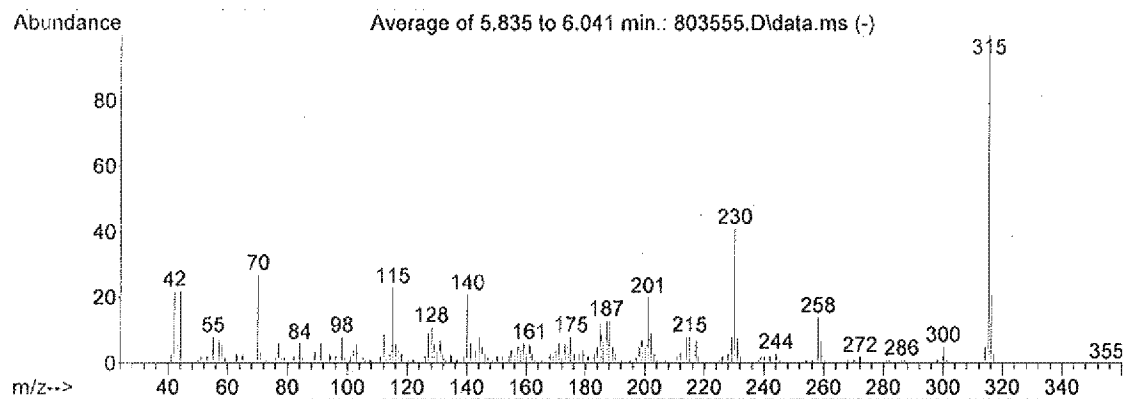AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %
5.882	1984459	100.00	100.00

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803555.D
Operator   : DCS
Date Acquired : 8 Oct 2011   3:07
Sample Name : ███████████
Submitted by : KAC
Vial Number : 55
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST05a.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

PK#   RT   Library/ID   CAS#   Qual

  1   5.88   C:\Database\NIST05a.L
              Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99
              Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99
              Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99

Abundance   Average of 5.835 to 6.041 min.: 803555.D\data.ms (-)

Abundance   #134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

803555.D   Tue Feb 21 13:18:25 2012   Page 2
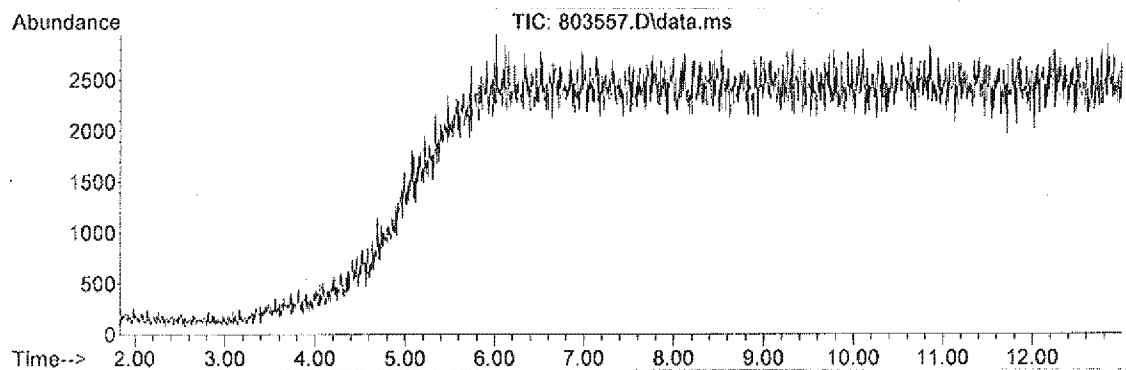
Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803556.D
Operator   : DCS
Date Acquired   : 8 Oct 2011   3:23
Sample Name   : BLANK
Submitted by   : KAC
Vial Number   :   2
AcquisitionMeth: DRUGS.M
Integrator   : RTE
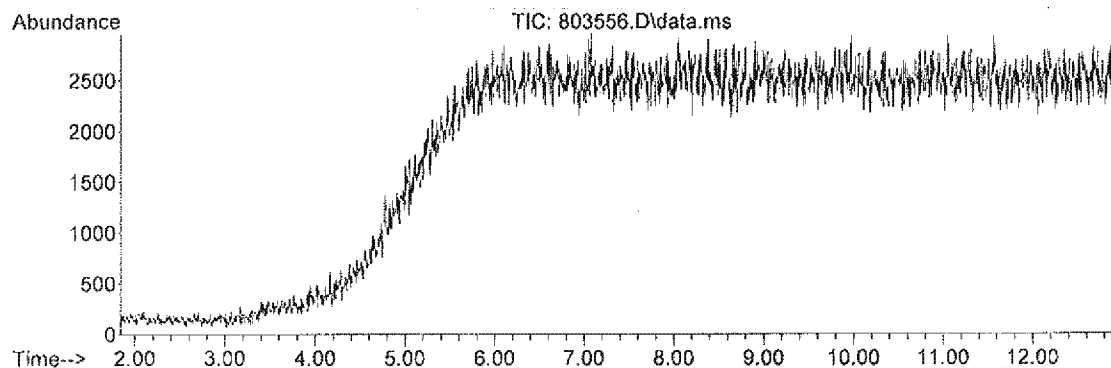
Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803557.D
Operator   : DCS
Date Acquired : 8 Oct 2011   3:39
Sample Name   : BLANK
Submitted by : KAC
Vial Number   :   2
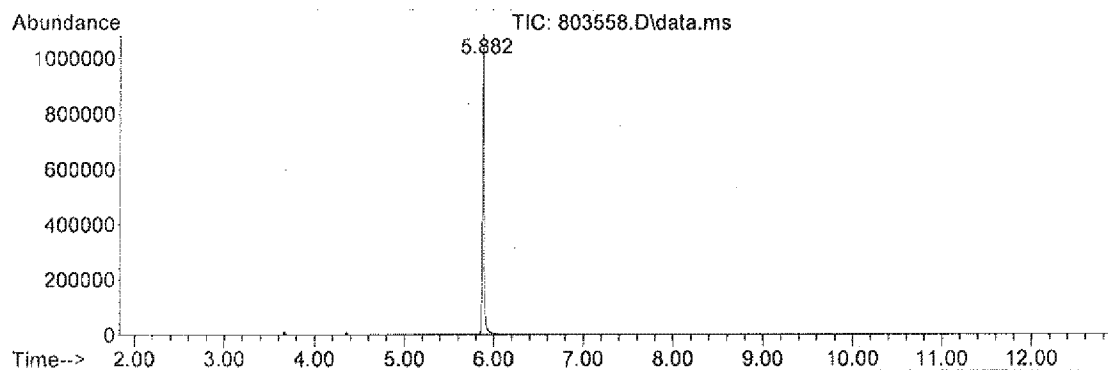AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803558.D
Operator   : DCS
Date Acquired : 8 Oct 2011   3:54
Sample Name   : ███████████
Submitted by   : KAC
Vial Number   : 58
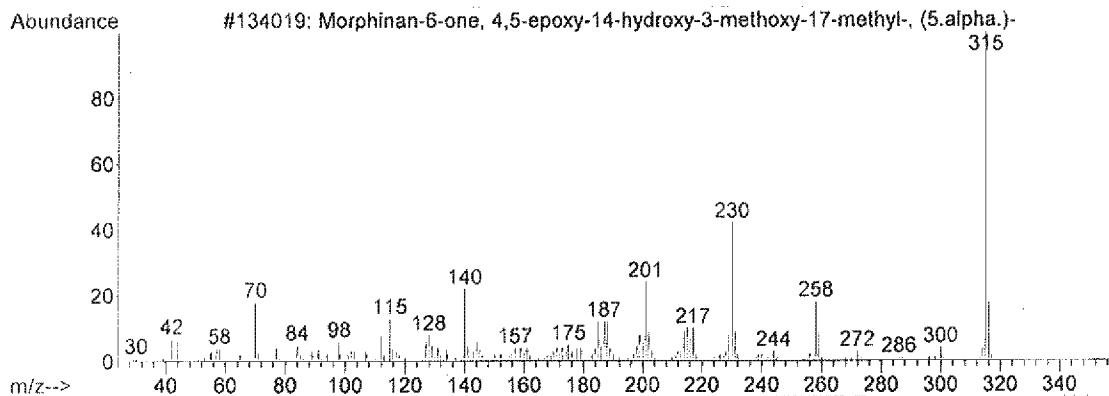AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 803558.D\data.ms
 1000000   5.882
  800000
  600000
  400000
  200000
        0
Time--> 2.00 3.00 4.00 5.00 6.00 7.00 8.00 9.00 10.00 11.00 12.00

Ret. Time	Area	Area %	Ratio %
5.882	1387724	100.00	100.00

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803558.D
Operator   : DCS
Date Acquired : 8 Oct 2011   3:54
Sample Name   : ███████████
Submitted by : KAC
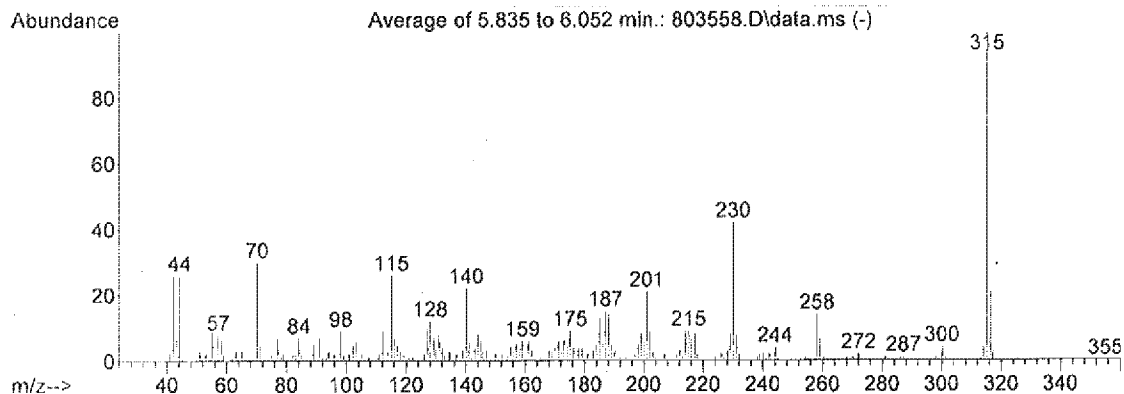Vial Number   : 58
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST05a.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

PK#   RT   Library/ID   CAS#   Qual

 1   5.88   C:\Database\NIST05a.L
            Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99
            Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99
   Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99

Average of 5.835 to 6.052 min.: 803558.D\data.ms (-)

#134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

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Corbett_email_PRR_006448

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803559.D
Operator   : DCS
Date Acquired : 8 Oct 2011   4:10
Sample Name   : BLANK
Submitted by : KAC
Vial Number   :   2
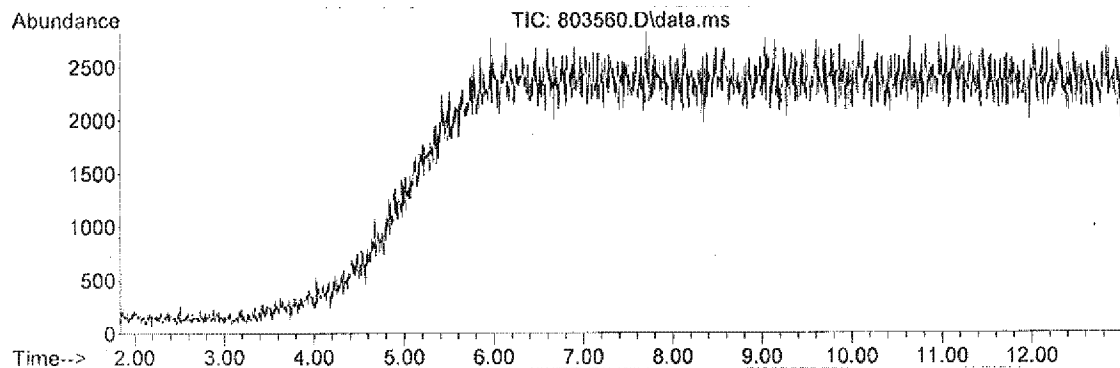AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Area Percent / Library Search Report
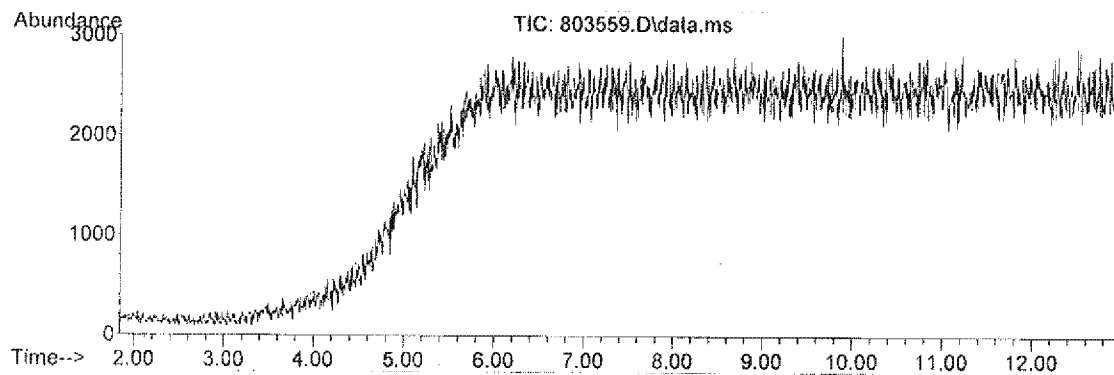
Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803560.D
Operator   : DCS
Date Acquired : 8 Oct 2011   4:26
Sample Name   : BLANK
Submitted by   : KAC
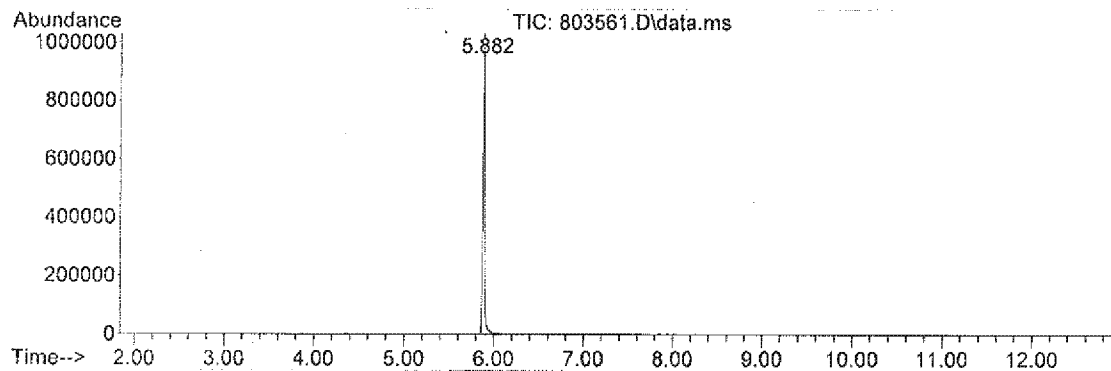Vial Number   :   2
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

803560.D   Tue Feb 21 13:18:52 2012   Page 1

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803561.D
Operator   : DCS
Date Acquired   : 8 Oct 2011   4:41
Sample Name   : ██████████
Submitted by   : KAC
Vial Number   : 61
AcquisitionMeth : DRUGS.M
Integrator   : RTE

```
Abundance
 1000000                         TIC: 803561.D\data.ms
                          5.882
  800000

  600000

  400000

  200000

       0
Time--> 2.00  3.00  4.00  5.00  6.00  7.00  8.00  9.00 10.00 11.00 12.00
```

Ret. Time	Area	Area %	Ratio %
5.882	1293137	100.00	100.00

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803561.D
Operator   : DCS
Date Acquired   : 8 Oct 2011   4:41
Sample Name   : ███████
Submitted by   : KAC
Vial Number   : 61
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST05a.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.88	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99

Abundance   Average of 5.840 to 6.052 min.: 803561.D\data.ms (-)

Abundance   #134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

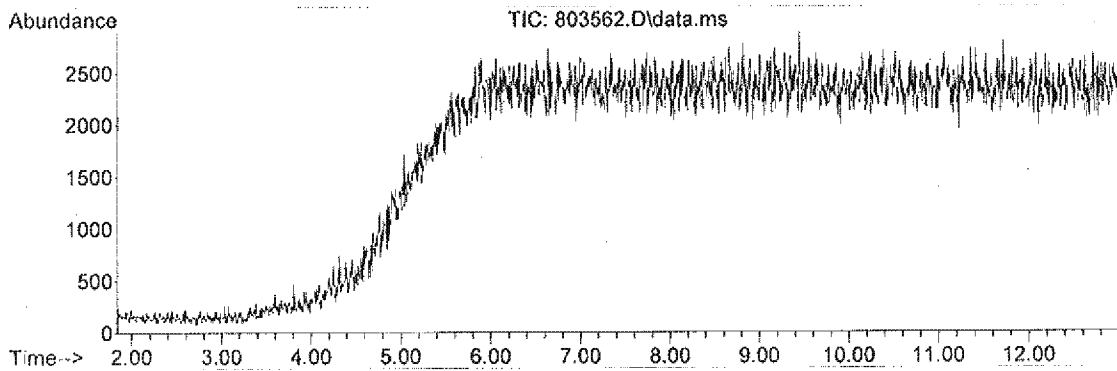803561.D   Tue Feb 21 13:18:58 2012   Page   2
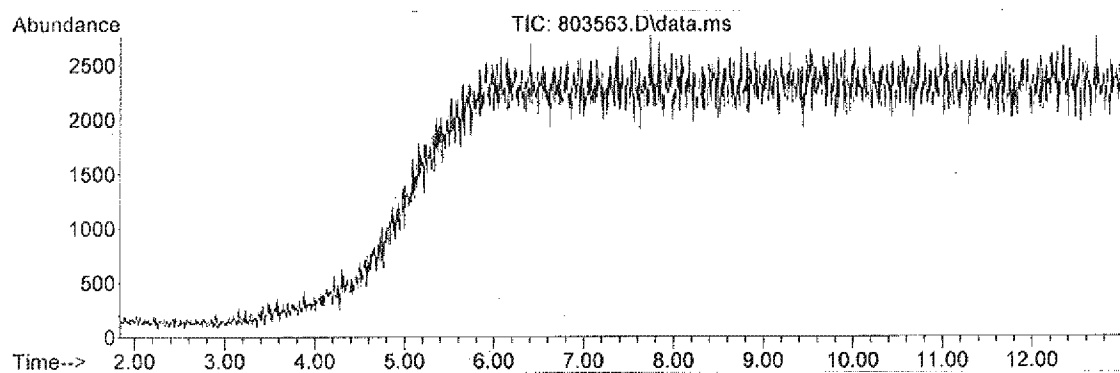
Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803562.D
Operator   : DCS
Date Acquired : 8 Oct 2011   4:57
Sample Name   : BLANK
Submitted by : KAC
Vial Number   :   2
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803563.D
Operator   : DCS
Date Acquired   : 8 Oct 2011   5:13
Sample Name   : BLANK
Submitted by   : KAC
Vial Number   :   2
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 803563.D\data.ms

Ret. Time   Area   Area %   Ratio %

NO INTEGRATED PEAKS

803563.D   Tue Feb 21 13:19:30 2012   Page   1
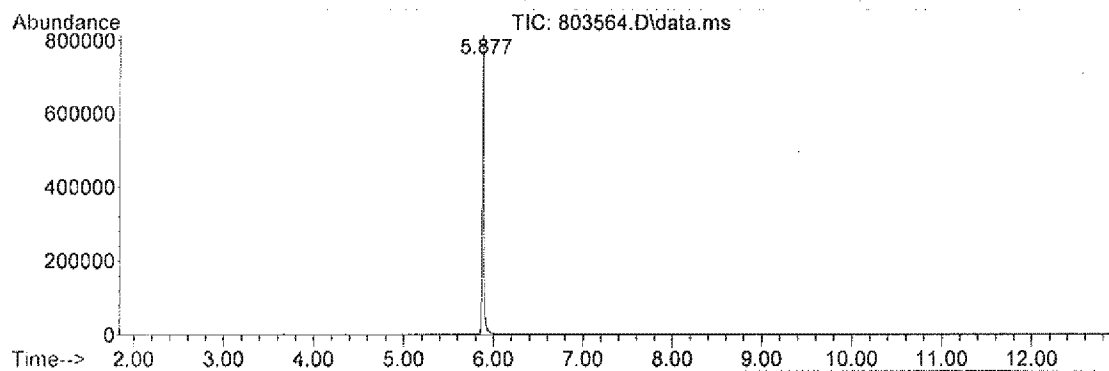
Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803564.D
Operator   : DCS
Date Acquired : 8 Oct 2011   5:28
Sample Name   : ███████
Submitted by : KAC
Vial Number   : 64
AcquisitionMeth: DRUGS.M
Integrator   : RTE

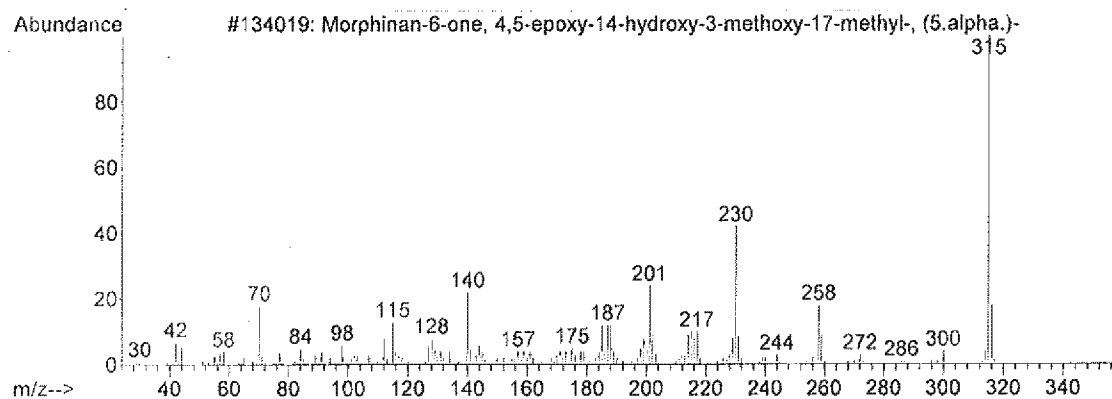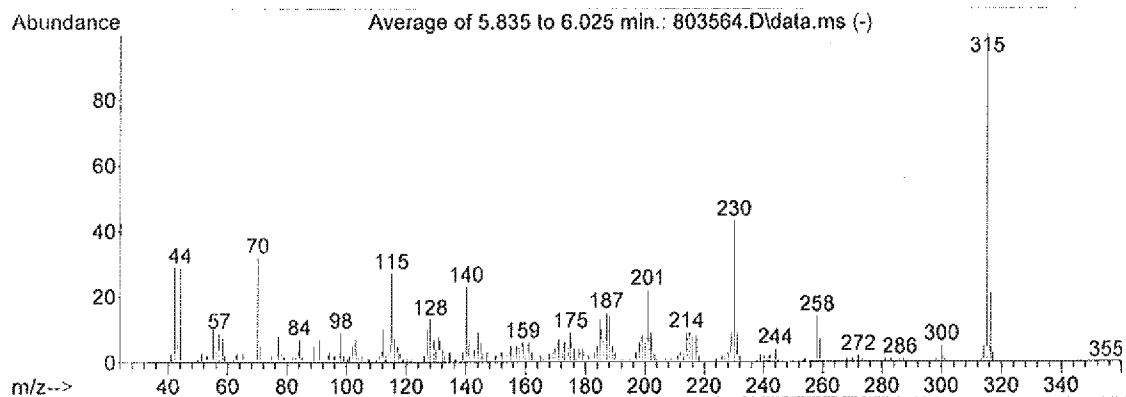| Ret. Time	Area	Area %	Ratio %
5.877	1036589	100.00	100.00

Area Percent / Library Search Report

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803564.D
Operator   : DCS
Date Acquired : 8 Oct 2011   5:28
Sample Name   : ███████
Submitted by   : KAC
Vial Number   : 64
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                   C:\Database\NIST05a.L   Minimum Quality: 80
                   C:\Database\PMW_TOX2.L

PK#   RT   Library/ID   CAS#   Qual

1   5.88   C:\Database\NIST05a.L
            Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99
            Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99
            Morphinan-6-one, 4,5-epoxy-14-hydro 000076-42-6   99

Average of 5.835 to 6.025 min.: 803564.D\data.ms (-)

#134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-

803564.D   Tue Feb 21 13:19:34 2012   Page 2

Corbett_email_PRR_006456

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803568.D
Operator   : DCS
Date Acquired   : 8 Oct 2011   6:31
Sample Name   : BLANK
Submitted by   :
Vial Number   :   2
AcquisitionMeth: DRUGS.M
Integrator   : RTE
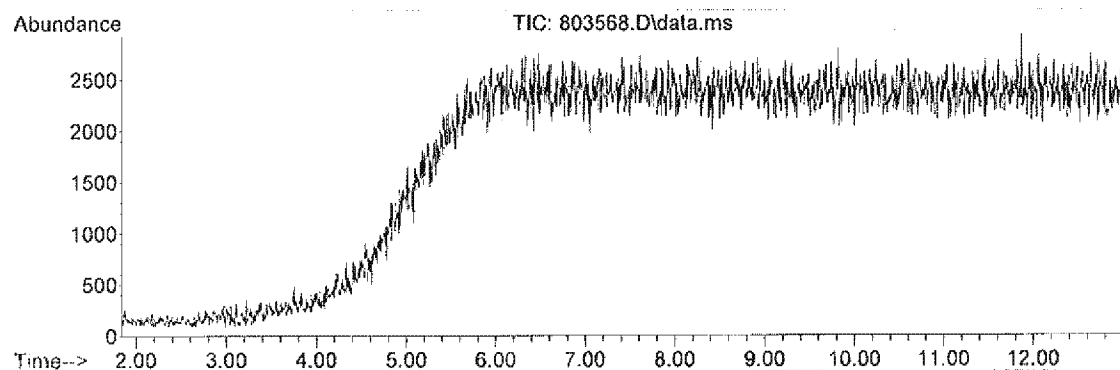
Abundance   TIC: 803568.D\data.ms

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803569.D
Operator   : DCS
Date Acquired : 8 Oct 2011   6:47
Sample Name   : BLANK
Submitted by :
Vial Number   :   2
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Abundance   TIC: 803569.D\data.ms

Ret. Time	Area	Area %	Ratio %

NO INTEGRATED PEAKS

803569.D   Tue Feb 21 13:19:54 2012   Page   1
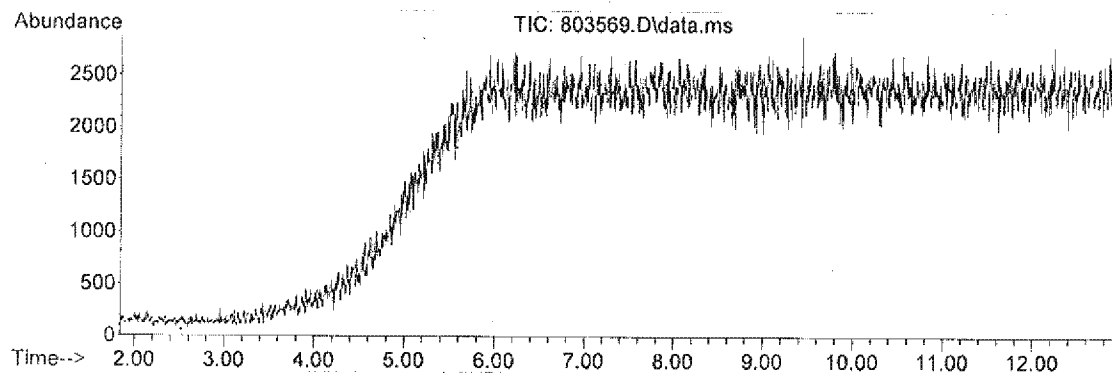
Area Percent / Library Search Report

Information from Data File:
```
File Name       : F:\Q4-2011\System7\10_07_11\803570.D
Operator        : DCS
Date Acquired   :  8 Oct 2011    7:02
Sample Name     : OXYCODONE STANDARD
Submitted by    :
Vial Number     :    5
AcquisitionMeth : DRUGS.M
Integrator      : RTE
```


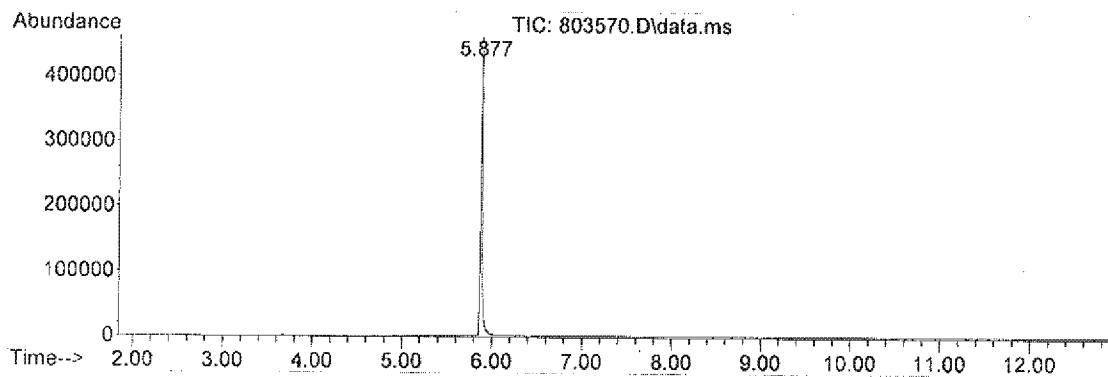| Ret. Time	Area	Area %	Ratio %
5.877	601104	100.00	100.00

Information from Data File:
File Name   : F:\Q4-2011\System7\10_07_11\803570.D
Operator   : DCS
Date Acquired : 8 Oct 2011   7:02
Sample Name   : OXYCODONE STANDARD
Submitted by   :
Vial Number   :   5
AcquisitionMeth: DRUGS.M
Integrator   : RTE

Search Libraries: C:\Database\SLI.L   Minimum Quality: 80
                    C:\Database\NIST05a.L   Minimum Quality: 80
                    C:\Database\PMW_TOX2.L

PK#	RT	Library/ID	CAS#	Qual
1	5.88	C:\Database\NIST05a.L		
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99
		Morphinan-6-one, 4,5-epoxy-14-hydro	000076-42-6	99

Average of 5.840 to 6.004 min.: 803570.D\data.ms (-)

#134019: Morphinan-6-one, 4,5-epoxy-14-hydroxy-3-methoxy-17-methyl-, (5.alpha.)-